

Claim (Amendments):

Claim 1: (withdrawn).

Claim 2: (withdrawn).

Claim 3: (withdrawn).

Claim 4: (Remarks) I respectfully request that this claim
be approved, as amended below.

Claim 4: (currently amended): Gyroscopes-stabilized
"Very high"- see 4A below, "free-standing" Towers, see
4B below, that contain and require - attached to their
structure, multiple "large modern gyroscopes", see 4C
below, to "stabilize the towers", or the towers will not
work. These towers shall be heavy military/industrial
Towers that support & contain Radar Antennas, Radar
Equipment, Defensive Weapons, Power Generating
Equipment, Communications Equipment and other
equipment. The Towers are primarily designed for military
defense from cruise missiles, ICBMs, manned aircraft,
unmanned aircraft (drones), and perimeter defense of all
types. This claim also includes the stabilization of very
high buildings (Skyscrapers) and other buildings by
"Large Modern Gyroscopes", heretofore not available see
4c below. These towers shall require, in order to remain
erected, and to function properly , the following features
and equipment:

4A. By "very high", we mean towers that are 1000 feet
high to 5000 feet high, or "higher", depending upon
military tactical or strategic requirements. By "higher" we
mean 50,000 feet to 500,000 feet high.

4B. By "free-standing", we mean that these towers are stabilized by their gyroscopes, and thus remain erected, and do not require multiple heavy steel cables, attached to the towers on one end and also attached firmly to the ground by suitable means on the other end.

4C. By "large modern gyroscopes", we mean very large and heavy military/industrial gyroscopes, weighing some 25,000 pounds each, and measuring some 15 feet or more in diameter, spinning at a very high rate of speed of some 2,500 revolutions per minute or higher, with the rotors constructed of a very high strength material such as carbon composite fiber, or the rotors will disintegrate. The rotors must be spinning in bearings, both radial and thrust bearings. In this case, bearings shall be magnetic bearings, that preclude any metal to metal wearing contact, and allow electronic vibration damping, which shall extend tower operational life. Thus, the above features shall contribute to an extended tower life, estimated at 50 years to 80 years.

4D. The tower legs shall be made of a structural material, such as structural steel or preferably a clear material such as Lucite, suitable to house photoelectric power panels, either inside or outside the tower legs to generate significant electric power, as needed by the missile defense systems. A combination of materials also may be used.

4E. The use of wind power electric generators on the high free standing towers shall be employed to generate significant electric power, as required by the missile defense systems.

4F. The towers shall use cable stabilized air supported structures made of plastic or cloth, similar in design to that shown on page 12 of this document, to protect radar antennas, radar equipment and other military defense equipment.

4G. The towers shall be fitted with elevators to facilitate their construction, servicing and maintenance.

Claim 5: (withdrawn).

Claim 6: (withdrawn).

Claim 1 (original): The use of large gyroscopes to stabilize Radar Towers, Communication Towers and towers designed for defense from cruise missiles, ICBMs, manned aircraft, unmanned aircraft (drones), and perimeter defense of all types.

Claim 2 (original): The use of clear structural members (such as Lucite) suitable to contain photoelectric power panels suitable to generate significant electric power.

Claim 3 (original) The use of wind power electric generators on high free standing towers for generating significant electric power.

Claim 4 (original) The use of high free standing towers to support radar, communication and other antennas and equipment.

Claim 5 (original) The use of plastic clear air supported structures to protect radar antennas, radar equipment and other military defense equipment.

Claim 6 (original) The use of elevators to construct, service and maintain high (1000 feet higher and higher) free standing military, communication and commercial towers.

Not needed